

INTERNATIONAL SEARCH REPORT

PCT/EP2004/052593

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 E21B7/18 E21B10/60 B24C1/04 B24C5/04 E21B41/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 E21B B24C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 119 338 A (JETIN IND LTD) 26 September 1984 (1984-09-26) page 7, lines 21-23 figure 1	1,8
Y		2,11
X	US 4 555 872 A (YIE GENE G) 3 December 1985 (1985-12-03) column 17, lines 20-23 column 17, lines 37-39 column 17, lines 50-54 figure 1	1-4,8,9
Y		2
Y	WO 00/66872 A (SHELL CANADA LTD ;SHELL INT RESEARCH (NL)) 9 November 2000 (2000-11-09) the whole document	11
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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Date of the actual completion of the international search

14 January 2005

Date of mailing of the international search report

25/01/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	US 6 283 833 B1 (COOGAN ROSS T ET AL) 4 September 2001 (2001-09-04) column 11, lines 54-61 table 1 figure 1	1,11
A	WO 02/34653 A (SHELL CANADA LTD ;SHELL INT RESEARCH (NL)) 2 May 2002 (2002-05-02) cited in the application figure 4	1,11
A	US 2 779 571 A (ORTLOFF JOHN E) 29 January 1957 (1957-01-29) column 1, lines 32-34 figure 1	1,11
A	WO 02/092956 A (SHELL CANADA LTD ;BLANGE JAN JETTE (NL); SHELL INT RESEARCH (NL)) 21 November 2002 (2002-11-21) the whole document	1,11

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